

## Annual General Meeting November 2016

Amended Presentation 30 November 2016

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The information relating to forecast production and project economics set out on slides 4 and 12 are based on the outcomes of a Technical Study which was previously released to the ASX on 11 September 2015 *"Mining Licence Application Submitted & Technical Study Outcomes"*. All material assumptions underpinning production targets or forecast financial information derived from production targets in the aforementioned initial announcement continue to apply and have not materially changed. The Technical Study outcomes and production targets reflected in this presentation are preliminary in nature as conclusions are drawn partly from indicated mineral resources and partly from inferred mineral resources. The Technical Study is based on lower level technical and economic assessments and is insufficient to support estimation of ore reserves or to provide assurance of an economic development case at this stage, or to provide certainty that the conclusions of the Technical Study will be realised. There is a low level of geological confidence associated with inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated mineral resources or that the production target itself will be realised.



**A-Cap Overview** 

# CORPORATE

WELL FUNDED - with strong shareholder support

**BASED IN BOTSWANA** – safe and stable jurisdiction

## EXPERIENCED MANAGEMENT- and tea

and technical team



## LetIhakane Uranium Project Overview

- Advanced Uranium Project Mining licence granted Sep-16
- Environmental Impact Statement approved May-16
- Surface Rights provisionally granted, Jun-16
- Low cost mining and processing operation
- Low CAPEX all infrastructure available
  - Initial production (3Mlbs pa U<sub>3</sub>O<sub>8</sub>) 18 year Mine Life
  - Project planned for early development and production capitalising on recovery of uranium market
  - A-Cap production timeline in line with uranium market demand and price increases



**Corporate Overview** 

# **CAPITAL STRUCTURE**

SHARE PRICE 5.6 Cents\*

SHARES 859 Million 859 Shares\* OPTIONS 5.7 million options 

 Market cap
 \$48M

 Cash
 \$6.8M\*

 Debt
 \$Nil



\*\* As at 31 Oct-16

## **Corporate Overview**





## **Corporate Overview**

## BOARD

Angang Shen Chairman

#### **Paul Ingram** Deputy Chairman, Independent Non-Executive Director

Paul Thomson CEO, Managing Director

Anthony Khama Chairman, A-Cap Botswana Pty Ltd Michael Liu Independent Non-Executive Director

John Fisher-Stamp Independent Non-Executive Director

Jijing Niu Non-Executive Director

Chenghu Zhu Non-Executive Director

# MANAGEMENT

Ashley Jones Operations Manager Nicholas Yeak Company Secretary



## Botswana

- Botswana ranks **FIRST** in Africa for political stability, democracy and rule of law
- Stable, multi-party democracy since 1966
  - Skilled mining work force
  - English speaking
  - Highest GDP per capita in Africa
- Mining accounts for 40% of current GDP and is critical for continued economic growth
- Botswana a safe and secure place to invest with an easy to understand mineral law and security of tenure







447 reactors Operational\* 59 under construction\*

513 planned and proposed\*



\* Source: World Nuclear Association, Sep-16



is the fastest growing ENERGY source globally

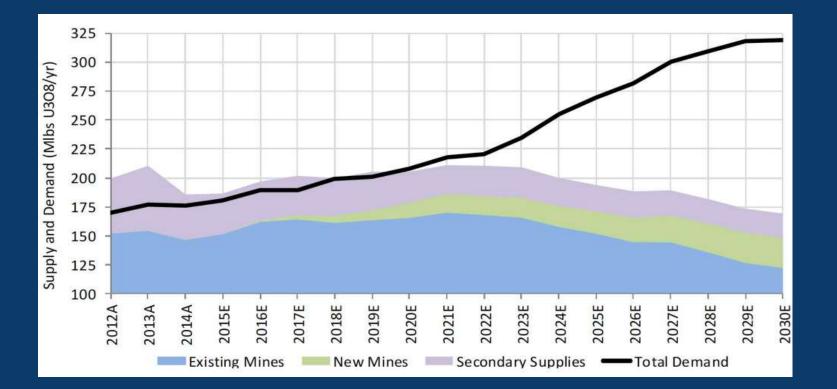
**Forecast Uranium Prices** 





Uranium price source: Ux Consulting, WNA, RBC Capital Market Estimates Q2, 2016

Prices must more than double to incentivise production and head off projected global uranium deficit





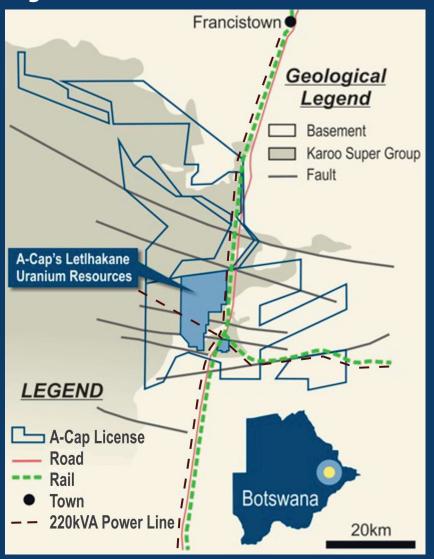
Above graph source: WNA, Raymond James, 2016

## LetIhakane Uranium Project

- 1<sup>st</sup> Uranium project in Botswana to secure a Mining Licence
- Environmental Impact Statement approved
- Provisional surface rights granted
- Shallow open pit mining operation with low cost acid heap leach to produce 3Million pounds U<sub>3</sub>O<sub>8</sub> per annum
- Initial construction CAPEX of US\$351 million
- 3Mlbs p.a. U<sub>3</sub>O<sub>8</sub> life of mine

		DCR	Pre-tax	Post-tax
•	Project NPV	8%	383M	240M
	Project IRR		29%	24%

Operating costs of US\$35/lb U<sub>3</sub>O<sub>8</sub> over first
 5 years and approximately \$41/lb U<sub>3</sub>O<sub>8</sub> over
 18 year process life





## LetIhakane - Resource

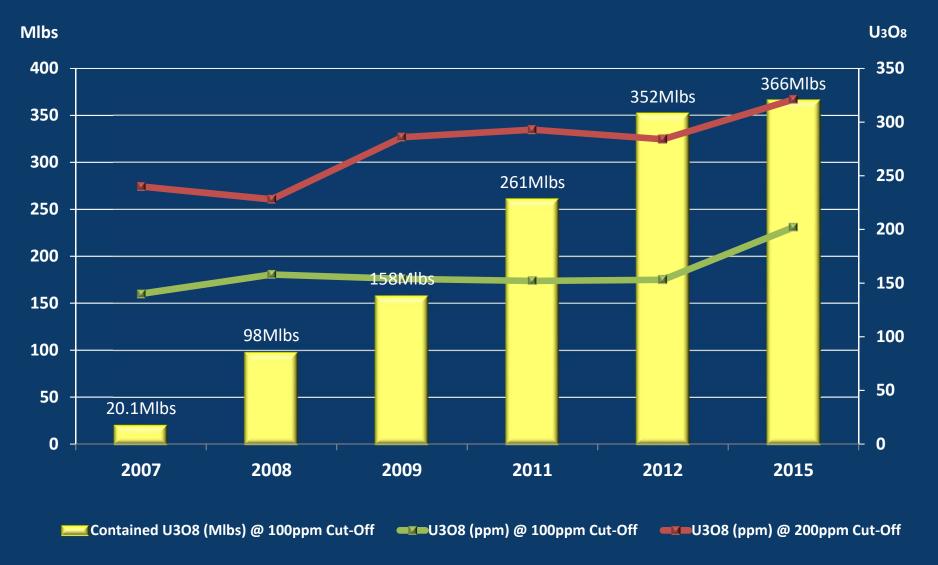
- Global top ten undeveloped uranium resource of 365.7Mlbs
- Re-assessment of Total Resource was completed in September 2015 using Localised Uniform Conditioning (LUC)
- LUC method of resource calculation better reflects the mining method selectivity using continuous miners.

Cut-off (U₃Oଃ ppm)	Total Indicated		Total Inferred		Global Total				
	Mt	U3O8 (ppm)	Contained U3O8 (Mlbs)	Mt	U3O8 (ppm)	Contained U3O8 (Mlbs)	Mt	U3O8 (ppm)	Contained U3O8 (Mlbs)
100	197.1	197	85.5	625	203	280.1	822.1	202	365.7
200	59.2	323	42.2	209.7	321	148.2	268.9	321	190.4
300	22.2	463	22.7	81.6	446	80.3	103.8	450	102.9

The above global mineral resource, completed by an independent expert and reported in compliance with the JORC 2012 code, was announced to the market on the 5<sup>th</sup> October 2015 ("release"). A-Cap confirms that it is not aware of any new information or data that materially affects the information included in the release and, in the case of estimates of mineral resources, that all material assumptions and technical parameters underpinning the estimates in the release continue to apply and have not materially changed.

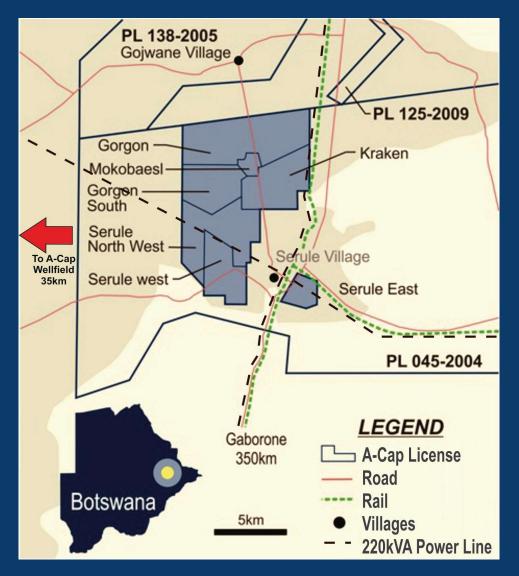


## **Resource Growth**



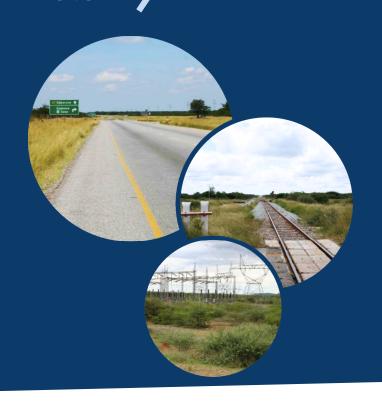


## **Major Infrastructure in Place**



✓ Rail,
✓ Road
✓ Power
✓ Water

### **Available**





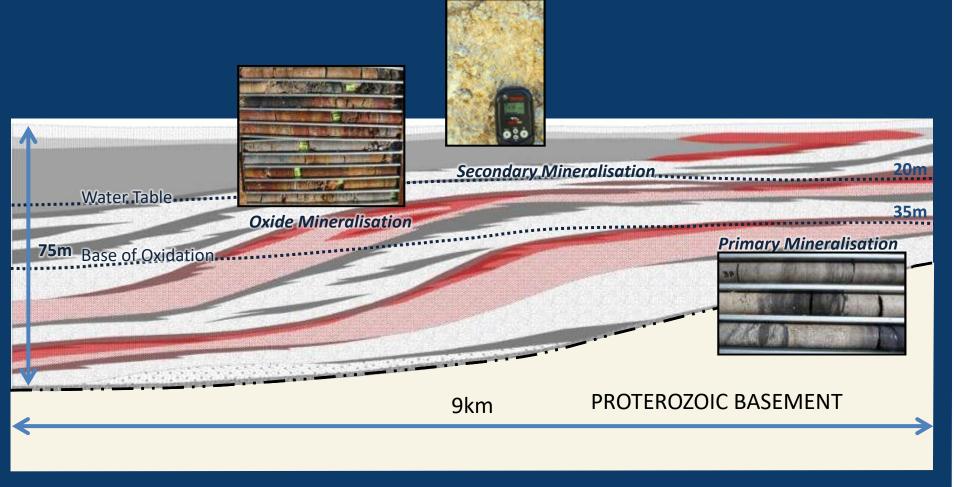
## Experienced Management & Technical Team

- Highly experienced technical and operational team
- World best expertise in geology, mining, metallurgy, process design and development engaged
- Team with project development, infrastructure & construction expertise
- Board and management with strong track record of taking projects from exploration to production
- Demonstrated ongoing continuous
   improvement in project economics





## Ore Body – Flat, shallow, easy to mine



- Shallow, Flat, Simple, Easy to mine, dips W at 1°
- Layer cake type deposit with series of upward fining sequences



## Mining

- Innovative mining using state of the art surface miners (below) in open pit operation
- Surface miners allow very selective mining, less expensive than conventional mining
- Optimal particle size of 19mm eliminating first stage crushing
- Falling contractors rates for contract mining



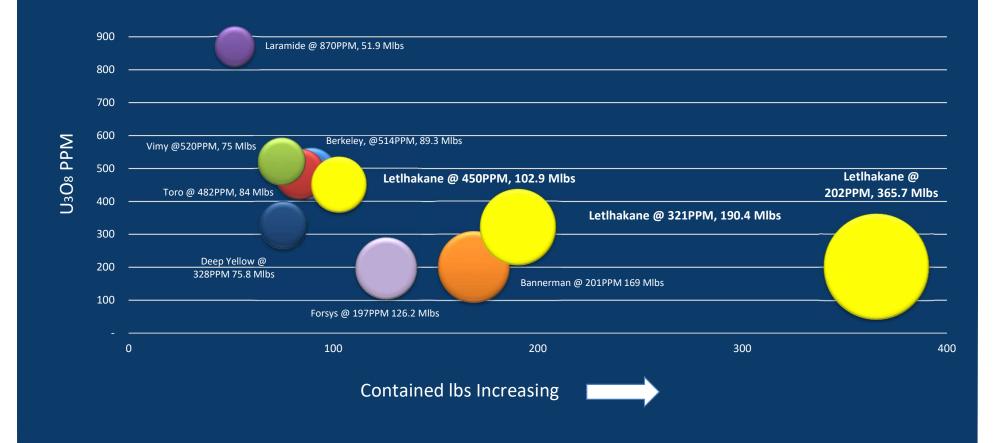
Wirtgen 4200 Direct Loading



Vermeer T1255DD

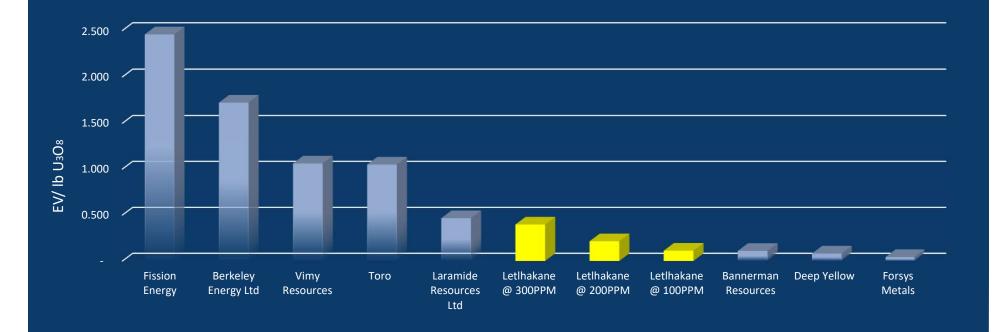


#### Peer Group U<sub>3</sub>0<sub>8</sub> Deposits: Grade U<sub>3</sub>0<sub>8</sub> vs Contained Ibs





### Enterprise Value / Ib U308 Mineral Resource





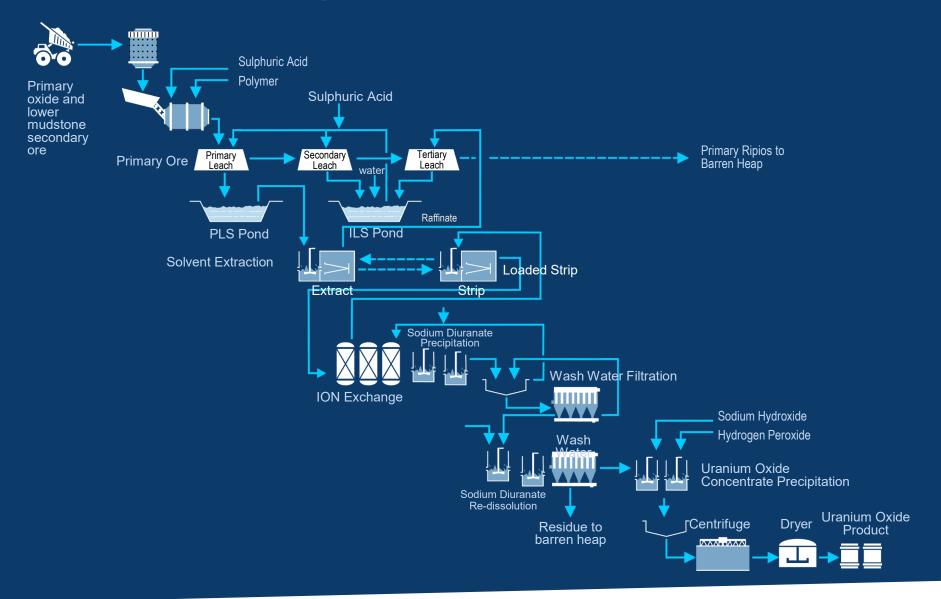
## **Metallurgy and Process Design**



- 4m column leach tests completed at ANSTO & confirm good recoveries
- The PLS from these columns were closed with the SX/IX circuit & achieved excellent recoveries
- Uranium Oxide Concentrate product from the refinery circuit contained low contaminants & no penalty expected
- Low cost and innovative process route
- Acid approx. 50% of total processing costs
- Investigating various options for local feed for our acid plant



## **Standard Heap Leach Process Plan**





## **Road to Production**

- Letlhakane has all of the key ingredients for a successful project & is one of the largest undeveloped uranium deposits in the world
- The mining licence was granted in September 2016.
- Ongoing work through to end 2016 will be directed at completing a JORCcompliant PFS
- Low capital costs, competitive operating costs, in a stable political and permitting friendly environment
- Project development will take full advantage of expected uranium price recovery



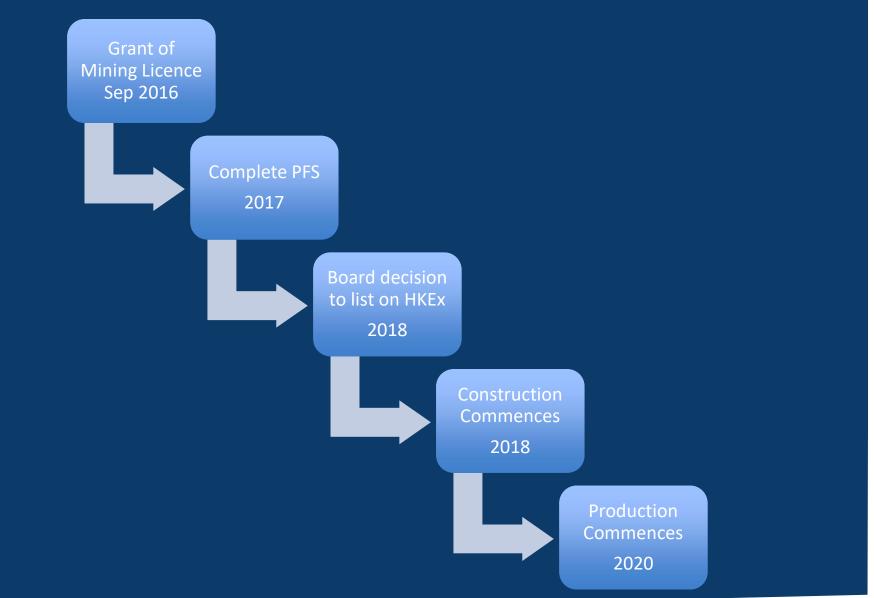
## **Planned Work**

- Work planned for 2017 is to finalise a PFS
- Pilot plant metallurgical work on bulk samples obtained from drilling will be undertaken
- Trial mining in selected areas will be done to assess surface miners as well as obtain better lithological controls on the mineralisation and grade control drilling
- In order for JORC reserves to be refined, further infill drilling is required
- Complete mining studies and pit optimisation and finalise metallurgical and process design work
- Board decision point to list on HK Stock Exchange

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## Timeline





## Summary

- **CREATE** Serious value for shareholders
- **STRATEGY –** Prepare project for early production to capture upswing in the uranium market
- SCALE Very large uranium deposit with significant high grade resource 103.8Mt at 450ppm  $U_3O_8$
- LOW CAPEX
   – Low capital heap leach processing with all infrastructure in place
- **COMPARATIVE ADVANTAGE** One of the few new sources of production with low Capex, competitive operating costs and low sovereign risk
- **STRATEGIC** Discussions with strategic partners
- **BOTSWANA** A safe and stable investment destination
- **STRONG REGISTER** Strong on-going support from major shareholders



## **Uranium Investment Proposition**

- **URANIUM** Current price all-time low offering considerable upside
- LONG LIFE The deposit style is perfectly suited to expansion with increasing uranium price. Perfectly suited to end user seeking a reliable long term U<sub>3</sub>O<sub>8</sub> supply for nuclear builds.
- WORLD CLASS LetIhakane ranks in the top ten undeveloped deposits in the world
- **SECURE JURISDICTION** Botswana is a stable country with excellent infrastructure
- CONTINUAL DE-RISKING- Recent mining lease submission adds to the continual derisking of this project. Securing off-take and supply arrangements for heap leach processing
- STRONG SHAREHOLDER BASE Well supported by major shareholders Jiangu Shengan Resources, Ansheng Investments & China Growth Minerals





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